



Print

Plex 6/8/2018 11:03 AM dart.Tollis.Andrew



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO040106

**Supplier:** MCM001-VU  
McMaster-Carr Supply Co,  
P.O. Box 7690  
Chicago, IL 60680-7690 USA  
Phone: 330 995 5500  
Fax: 330 995 9600

**PO No:** PO040106

**PO Date:** 6/5/18

**Due Date:** 6/8/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**  
JUN 05 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** 2% 10 Net 30

**Freight Terms:**

**Special Comments:**

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	6381K193	1/pk	Bushing receive pcs	Firmed	6/8/18	25 pcs	0 pcs	25 pcs	\$3.68/pcs	\$92.00
2	90293A113	1/pk	Quick Release Pin 1/4" dia. , 1-1/2" Length	Firmed	6/8/18	5 Ea	0 Ea	5 Ea	\$20.57/Ea	\$102.85
3	MDELRRNR5.000W	8572K38	M-Delrin Round Bar, White	Firmed	6/8/18	3 ft	0 ft	3 ft	\$144.05/ft	\$432.15
4	8599K32	12" x 12"	Strap 2 pcs of 12" x 12"	Firmed	6/8/18	2 sf	0 sf	2 sf	\$21.97/sf	\$43.94
5	90477A030		Rotating Flange Nut	Firmed	6/8/18	10 Ea	0 Ea	10 Ea	\$3.94/Ea	\$39.40
6	92865A597	5/pk	Medium-Strength Grade 5 Steel Hex Head Screw	Firmed	6/8/18	10 Ea	0 Ea	10 Ea	\$0.862/Ea	\$8.62
7	97416A123	100/pk	Black-Oxide Steel SAE Washer	Firmed	6/8/18	100 Ea	0 Ea	100 Ea	\$0.1038/Ea	\$10.38
8	EL-PLUG-F	7216k6 1/pk color yellow	3-Prong Female Spade Plug	Firmed	6/8/18	6 Ea	0 Ea	6 Ea	\$12.23/Ea	\$73.38
9	EL-PLUG-M	7216k5 1/pk color yellow	3-Prong Male Spade Plug	Firmed	6/8/18	10 Ea	0 Ea	10 Ea	\$7.03/Ea	\$70.30
10	3408A59		Ball Plunger	Firmed	6/8/18	5 pcs	0 pcs	5 pcs	\$7.7719/pcs	\$38.86
11	90273A542	100/pk	Screw receive ea	Firmed	6/8/18	100 Ea	0 Ea	100 Ea	\$0.098/Ea	\$9.80
12	MDELRRNR2.500W	8572k32	Delrin Round Bar 2.500	Firmed	6/8/18	5 ft	0 ft	5 ft	\$30.13/ft	\$150.65
<b>Grand Total:</b>									<b>\$1,072.33</b>	

Order Notes

## Order Notes

## Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 6/5/18 12:36 PM dart.lavoie.chantal

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO040106**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**4531932-03**

# Packing Lis

Page 1 of 1

06/05/2018

Line	Product	Ordered	Shipped
1	<b>6381K193</b> Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 1" Housing ID, 1-1/4" Long	25 Each	25
2	<b>90293A113</b> T-Handle Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	5 Each	5
4	<b>8599K32</b> Fabric-Reinforced Multipurpose Neoprene Sheet, High-Strength, 12" x 12", 3/32" Thick	2 Each	2
5	<b>90477A030</b> Rotating Flange Nut, Black-Oxide Steel, 5/16"-18 Thread Size	10 Each	10
6	<b>92865A597</b> Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 5/16"-18 Thread Size, 3-1/2" Long, Fully Threaded, Packs of 5	2 Packs	2
7	<b>97416A123</b> Black-Oxide Steel SAE Washer for 5/16" Screw Size, 0.344" ID, 0.688" OD, Packs of 100	1 Pack	1
8	<b>7216K6</b> Hinged Straight-Blade Housing, 3-Slot Socket, NEMA 5-15, Yellow	6 Each	6
9	<b>7216K5</b> Hinged Straight-Blade Housing, Hinged, 3-Blade Plug, Grounded, NEMA 5-15, Yellow	10 Each	10
10	<b>3408A59</b> Slotted Spring Plunger with 440C Stainless Steel Ball-Nose, 18-8 Stainless Steel Body, 5/8"-11, 7-50 lb. Force, with Thread Lock	5 Each	5

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO040106**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**4531932-11**

## Packing Li

Page 1 of

06/05/2018

Line	Product	Ordered	Shipped
1	90273A542 Steel Phillips Flat Head Screw, 82 Degree Countersink Angle, 1/4"-20 Thread Size, 1" Long, Packs of 100	1 Pack	1

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO040106**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**4531932-01**

Page 1 of 1

06/05/2018

Line	Product	Ordered	Shipped
3	8572K38 White Delrin Acetal Resin Rod, 5" Diameter, 3' Length	3 Feet	3

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO040106**

Page 1 of 1

Order Placed By  
**Chantal Lavoie**

06/05/2018

McMaster-Carr Number  
**4531932-02**

Line	Product	Ordered	Shipped
11	8572K32 White Delrin Acetal Resin Rod, 2-1/2" Diameter, 5' Length	5 Feet	5

5



McMaster-Carr Supply Company  
200 Aurora Industrial Pkwy  
Aurora, OH 44202-8087 USA  
Phone: 330-995-5500 Fax: 330-995-9600  
E-Mail: cle.sales@mcmaster.com  
Employer Identification Number (EIN): 36-1458720

Invoice: 64590458  
Purchase Order: PO040106

ORIGINAL COMMERCIAL  
**INVOICE**  
CERTIFICATE OF ORIGIN

Release:  
McMaster-Carr Number: 4531932-11

Ultimate Destination:  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Shipped: 05-Jun-2018  
Shipper's Export Declaration (SED):  
NO EEI 30.36

Intermediate Consignee:

Bill To:  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Forwarding Agent:

Tax Number:

Billing  
Attention:

Shipping Chantal Lavoie  
Attention:

Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	90273A542 Steel Phillips Flat Head Screw, 82 Degree Countersink Angle, 1/4"-20 Thread Size, 1" Long, Packs of 100  Country of Origin: Peoples Republic of China Schedule B #: 731815 ECCN #: EAR99 NLR  NOTE These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.  NOTE Tracking number(s) for this shipment: 438236937676	1 PK	\$9.80	\$9.80

Your order is subject only to our terms and conditions, available at [www.mcmaster.com](http://www.mcmaster.com) or from our Sales Department.

Shipping Weight (in kgs): 1

Number of Packages: 1

Package Dimensions:

25 X 16 X 8 CM = .003 CUBIC M

Invoice Amounts:

Merchandise Amount: \$9.80  
Total (In USD): \$9.80

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to:

(by mail)  
McMaster-Carr Supply Company  
PO Box 7690  
Chicago, IL 60680-7690 USA

(by wire transfer)  
Bank of America  
222 Broadway  
New York, NY 10038  
Account 86666-02021  
SWIFT BOFAUS3N

Authorized Signature:

Date: 05-Jun-2018

Name: Sarah Weinberg

Title: Operations Mgr.

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MDelkin R5000w  
 DATE: JUN 11 2018

PO / BATCH NO.: 040106/5079302

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 3'  
 QUANTITY INSPECTED: 3'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 5.000  
 THICKNESS RECEIVED: 5.000  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u>	N	<u>Delkin Acetal Rod white</u>
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	<u>PO # 040106 Part # 8572X38</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____	
DATE: <u>11 JUN 11 2018</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## White Delrin® Acetal Resin Rod 5" Diameter

In stock  
\$144.05 per ft.  
8572K98



Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	5"
Diameter	0" to
Tolerance	+0.250"
Tolerance Rating	Oversized
Length	1 ft., 2 ft., 3 ft., 4 ft., 5 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good

Specifications Met	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	$8.5 \times 10^{-5}$ in./in./°F
RoHS	Compliant

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : DELRIN II 150E OR ACETRON GP ACETAL

PART NUMBER :

M-DELRIN-R2.000W X DIA COLOR CODE

WHERE D.DDD = DIAMETER IN INCHES

X = COLOR CODE, "W" = WHITE, OMITTED = BLACK

EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000

2" WHITE ROUND BAR = M-DELRIN-R2.000W

RELEASED

2018 MAR 27

ECJ 18-657

APPROVED

B	UPDATE DRAWING TO CURRENT STANDARDS, ADD MATERIAL COLOR "WHITE", ADD REASON CIR-110, ADD "ACETRON GP ACETAL" AS OPTION (REV. A1).	SAD	17.10.19
A	NEW ISSUE	DS	01.11.12
REV	DESCRIPTION	BY	DATE
DESIGN	SAD		
DRAWN	SAD		
CHECKED	SAD		
MFG. APPR.	RF		
APPROVED	RA		
DE APPR.	HS		
DATE	CP		
17.10.19	DELIN ROUND BAR		
DART AEROSPACE LTD HAYKESBURY, ONTARIO, CANADA			
REV. B			
SHEET 1 OF 1			
SCALE			
NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: Delkin 2.500u  
DATE: JUN 11 2018

PO / BATCH NO.: 040196/SC79305

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 51  
QUANTITY INSPECTED: 51  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.500  
THICKNESS RECEIVED: 2.500  
SHEET SIZE ORDERED: N/A  
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	Delkin Acetal Rod White
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	PO#040196 Part# 8572K32
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u>	SIGNED OFF BY: _____		
DATE: <u>9-88 JUN 11 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# McMASTER-CARR.

## White Delrin® Acetal Resin Rod 2-1/2" Diameter



In stock  
\$30.13 per ft.  
8572K32

Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	2 1/2"
Diameter	0" to
Tolerance	+0.030"
Tolerance Rating	Oversized
Length	1 ft., 2 ft., 3 ft., 4 ft., 5 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good

Specifications Met	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	$8.5 \times 10^{-5}$ in./in./°F
RoHS	Compliant



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : DELRIN II 150E OR ACETRON GP ACETAL

PART NUMBER : M-DELRIN-R D.DDD X COLOR CODE

WHERE D.DDD = DIAMETER IN INCHES  
 X = COLOR CODE, "W" = WHITE, OMITTED = BLACK  
 EG. 1" BLACK ROUND BAR = M-DELRIN-R1 000  
 2" WHITE ROUND BAR = M-DELRIN-R2 000W

B	UPDATE DRAWING TO CURRENT STANDARDS. ADD MATERIAL COLOR "WHITE". ADD REASON CIR-110. ADD ACETRON GP ACETAL AS OPTION (REV. A1).		SAD	17.10.19
A	NEW ISSUE		DS	01.11.12
REV.	DESCRIPTION		BY	DATE
DESIGN	SAD	DART AEROSPACE LTD		
DRAWN	SAD	HAWKESBURY, ONTARIO, CANADA		
CHECKED	RF	DRAWING NO.		
MFG. APPR.	RA	M-DELRIN-R		
APPROVED	HS	TITLE		
DE APPR.	CP	DELIN ROUND BAR		
DATE	17.10.19	SHEET 1 OF 1		
		SCALE		
		NTS		

RELEASED  
 2018 MAR 27  
 ECJ 18-657

APPROVED




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5/31/2018

[Dart Hawkesbury] Job Sheet - David, Logan

5832

SHIP  
7-13

		Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200		<b>RB PWC58104-3</b> <b>Job Sheet 178434</b> 			
<b>Part No:</b> RB PWC58104-3 <b>Job Qty:</b> 6 ea <b>Part Name:</b> Strap 							
<b>Part Weight:</b> 0 lbs <b>Job Created:</b> 5/31/18 <b>Due Date:</b> 6/25/18 <b>Type:</b> SOLD		<b>Status:</b> At Planning <b>Job Tracking No:</b> <b>Created By:</b> Logan David <b>Description:</b>		<b>Priority:</b> Medium			
<b>Note:</b> DWG RB PWC58104 Rev. 0 IPP Rev. A 18.05.24 new issue DP Verify DD <b>Ship Via:</b>							
<b>Bill of Materials</b>							
<b>Job Routing</b>							
Op No	Operation	Qty	Start Date	Due Date	Standard Setup Run hrs Hrs	Workcenter/Supplier Workcenter / Supplier   Lead Time	Sign-off
100	Start up Operation	6 Ea	6/25/18	6/25/18	0.00 0.00	Start Up Waterjet2	
110	Waterjet	6 pcs	6/25/18	6/25/18	0.00 0.60	Waterjet 2 OMAX	
120	QC	6 pcs	6/25/18	6/25/18	0.00 0.00	QC2 Waterjet-2	
130	QC	6 pcs	6/25/18	6/25/18	0.00 0.00	QC8-6	
140	Packaging	6 pcs	6/25/18	6/25/18	0.00 0.00	Packaging3	
150	QC21-SA	6 Ea	6/25/18	6/25/18	0.00 0.00	QC21	
Part Op 100 - Descriptions: 110 - 1-Cut as per Dwg Dwg Rev: _____ Prog Rev: _____ 2-Debur if necessary							
<b>Job BOM</b>							
Part / Item	Component Name	Quantity	Operation	Container			
8599K32	Strap	.0414 sf (.0069 ea)	100-Start up Operation				
<b>Job Allocations</b>							
Operation	Component Part	Required	Inventory	Allocated			
100-Start up Operation	8599K32	0	0	0			
<b>Part Specifications</b>							
Specifications could not be found.							

Plex 5/31/18 1:05 PM dart.logan.david

98381 A718

3938



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**RBIR7028**  
**Job Sheet 178594**



**Part No:** RBIR7028

**Job Qty:** 4 ea

**Part Name:** Swashplate Bearing Install and Removal Tool



**Part Weight:** 0 lbs

**Status:** At Planning

**Priority:** Medium

**Job Created:** 6/4/18

**Job Tracking No:**

**Due Date:** 6/27/18

**Created By:** Logan David

**Type:** SOLD

**Description:**

**Note:** DWG RBIR7### Rev. 0 IPP Rev. A 18.06.04 new issue DP Verify DD

**Ship Via:**

SHIP  
7-03

### Bill of Materials

### Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea	6/27/18	6/27/18	0.00	0.00	Start Up Small Fab-2		
110	Small Fab	4 pcs	6/27/18	6/27/18	0.00	4.00	Small Fab-3		
120	QC	4 pcs	6/27/18	6/27/18	0.00	0.00	QC5		
130	Packaging	4 pcs	6/27/18	6/27/18	0.00	0.00	Packaging3-1		
140	QC21-SA	4 Ea	6/27/18	6/27/18	0.00	0.00	QC21		

Part Op 110 - 1-Assemble as per DWG.  
Descriptions:

### Job BOM

Part / Item	Component Name	Quantity	Operation	Container
90477A030	Rotating Flange Nut	4 (1 ea)	90-Start up Operation	
92865A597	Medium-Strength Grade 5 Steel Hex Head Screw	4 (1 ea)	90-Start up Operation	
97416A123	Black-Oxide Steel SAE Washer	8 (2 ea)	90-Start up Operation	
RBIR7028-1	Receiver	4 Ea (1 ea)	90-Start up Operation	
RBIR7028-3	Remover / Installer	4 Ea (1 ea)	90-Start up Operation	
RBIR7028-5	Alignment Seat	4 Ea (1 ea)	90-Start up Operation	

### Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	90477A030	4	0	0
	92865A597	4	0	0
	97416A123	8	0	0
	RBIR7028-1	4	0	0
	RBIR7028-3	4	0	0
	RBIR7028-5	4	0	0

178595

178596

178597

### Part Specifications

Specifications could not be found.

Plex 6/4/18 11:09 AM dart.logan.david

## Chantal Lavoie

---

**From:** Daniel Paquette  
**Sent:** Tuesday, June 05, 2018 12:04 PM  
**To:** Michelle GagnonDonovan; Chantal Lavoie  
**Subject:** MDELRINR2.500W Ref; RBEM632V3008102-13

Michelle please enter into PLEX. Thanks.

Chantal please order 3 feet of this. Thanks.

### **DANIEL PAQUETTE**

*Production Engineering Coordinator*

#### **DART AEROSPACE**

**T** 1 613 632-5200 > 236

**F** 1 613 632-5246

**1 800 556- 4166**

[www.dartaerospace.com](http://www.dartaerospace.com)

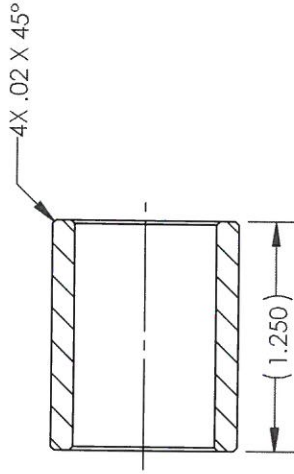
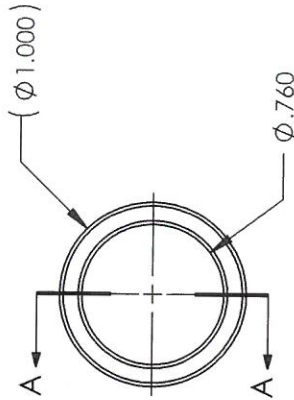




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# REVISIONS

REV	ECR	DESCRIPTION	DATE
1		RELEASED FOR PRODUCTION. CHD LENGTH WAS 1.410 IS (1.250). CHD TO MODIFIED BUYOUT.	5/16/2017



SECTION A-A

NOTE:  
1. REFERENCE CANAM C10\_028.  
2. BAG AND LABEL WITH BATCH NUMBER.



## LIFTING BUSHING

TITLE		C10-28		REV	1
DWG NO.		C10-28			
MATERIAL		SAE 660 BRONZE		UNLESS OTHERWISE SPECIFIED	
FINISH		XXX ± .005 FRACTIONS ± 1/16		DIMENSIONS ARE IN INCHES	
SPEC		XX ± .01 ANGLES ± .5°		SURFACES = 125/	
DRAWN BY:		CANAM		1. BREAK ALL SHARP EDGES	
CHECKED:		DD 05/17/2017		2. DIMENSIONS ALL LIMITS APPLY	
QA APPR:		JL 05/24/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:		JAG 06/01/2017		USED ON MODEL	
SCALE		1:1		DATE	
DATE		5/30/2002		SHEET 1 OF 1	

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			C10-28	1	BUSHING	SAE 660 BRONZE	3/4 Ø SHAFT X 1 O.D. X 1-1/4 (MCMASTER-CARR #6381K193) MOD.	X20

Delrin® Acetal Resin Rods



- Color: White or Black
- Temperature Range: -20° to 180° F
- Tensile Strength: 9,000 psi (Good)
- Impact Strength: 1.00 ft.-lbs./in (Good)
- For Use Outdoors: No
- Specifications Met:
  - White: ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
  - Black: ASTM D6100

Dia.	Dia. Tolerance	Lengths, ft.	White	
				Per Ft.
2 1/2"	0" to +0.030"	1, 2, 3, 4, 5	8572K32	\$30.13



Product Detail

White Delrin® Acetal Resin Rod,  
2-1/2" Diameter

Length, ft.

✓ 5

☐ Each

ADD TO ORDER

Delivers tomorrow  
10-12 pm  
\$150.65 Each

5832



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**RB PWC58104**  
**Job Sheet 178432**



SHIP  
7-13

Part No: RB PWC58104

Job Qty: 1 ea

Part Name: Wrench



Part Weight: 0 lbs

Status: At Planning

Priority: Medium

Job Created: 5/31/18

Job Tracking No:

Due Date: 7/10/18

Created By: Logan David

Type: SOLD

Description:

Note: DWG RB PWC58104 Rev. 0 IPP Rev. A 18.05.24 new issue DP Verify DD

Ship Via:

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	7/10/18	7/10/18	0.00	0.00	Start Up Small Fab-2		
110	Small Fab	1 pcs	7/10/18	7/10/18	0.00	1.00	Small Fab-3		
120	QC	1 pcs	7/10/18	7/10/18	0.00	0.00	QC5		
130	Packaging	1 pcs	7/10/18	7/10/18	0.00	0.00	Packaging3-1		
140	QC21-FG	1 Ea	7/10/18	7/10/18	0.00	0.00	QC21		

Part Op 110 - 1-Assemble as per DWG.

Descriptions: 130 - Bag and tag.

## Job BOM

Part / Item	Component Name	Quantity	Operation	Container
98381A503	Dowel Pin	1 Ea (1 ea)	90-Start up Operation	
RB PWC58104-1	Block	1 Ea (1 ea)	90-Start up Operation	
RB PWC58104-3	Strap	1 Ea (1 ea)	90-Start up Operation	

## Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	98381A503	1	0	0
	RB PWC58104-1	1	0	0
	RB PWC58104-3	1	0	0

## Part Specifications

Specifications could not be found.

Plex 5/31/18 1:03 PM dart.logan.david

90293 A113

81166 A250

modelin 5.0000 x3ft